

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067608.D
 Acq On : 11 Nov 2020 17:53
 Operator : VA/SY
 Sample : L4595-01
 Misc : 5.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-111120

Quant Time: Nov 12 00:11:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	380696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	606143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	640730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	336467	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	182528	54.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.66%	
35) Dibromofluoromethane	7.92	113	197181	53.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.98%	
50) Toluene-d8	10.34	98	720598	56.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.30%	
62) 4-Bromofluorobenzene	12.64	95	300699	67.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	135.72%	

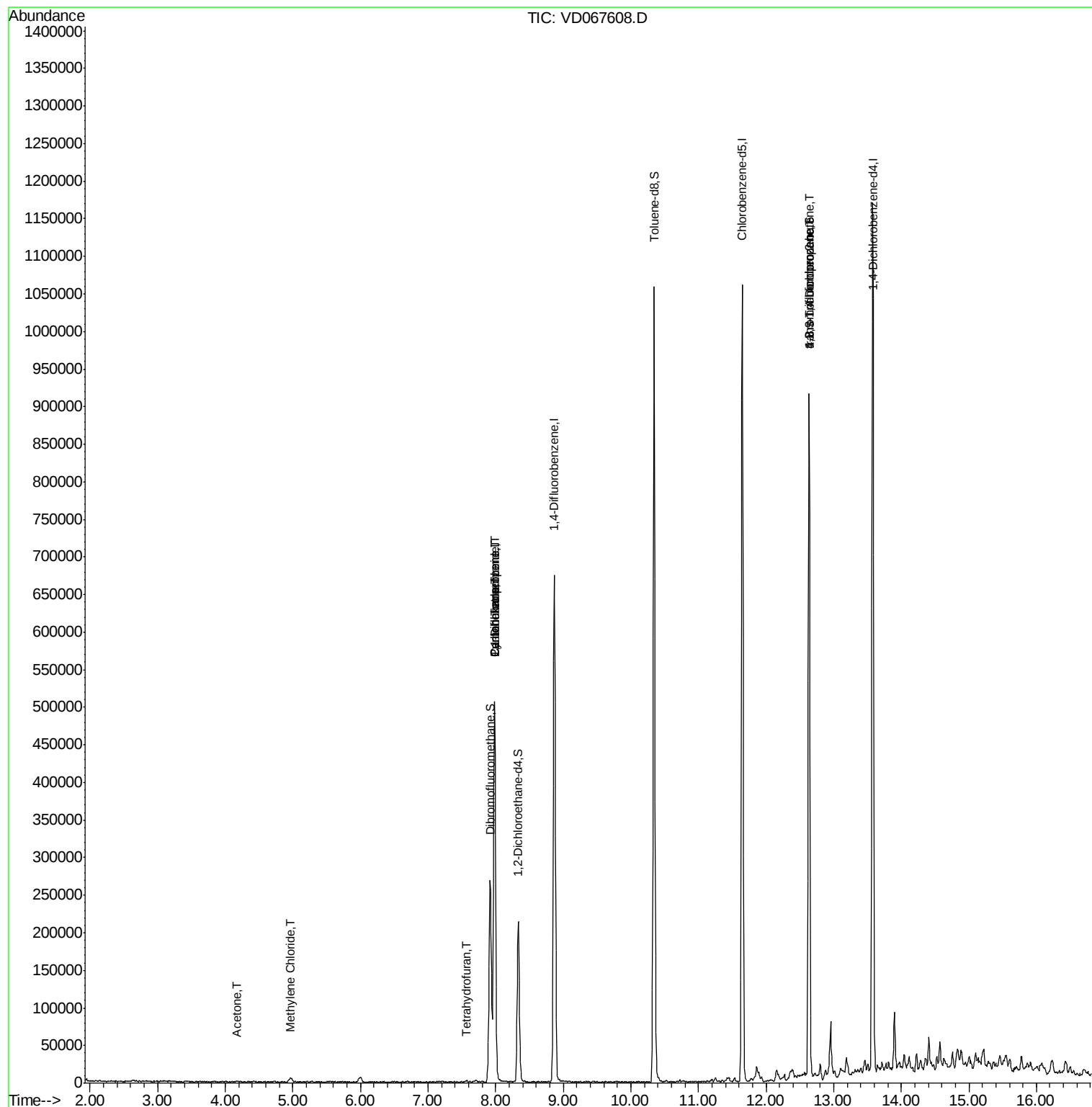
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	136	Below Cal	#	79
16) Acetone	4.17	43	1173	2.355	ug/l	93
20) Methylene Chloride	4.97	84	5454	1.550	ug/l #	78
29) Tetrahydrofuran	7.58	42	1312	4.115	ug/l #	29
31) Cyclohexane	7.99	56	7333	1.519	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	25940	5.000	ug/l #	50
38) Carbon Tetrachloride	7.98	117	37858	5.616	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	149238	73.525	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	149238	149.275	ug/l #	10

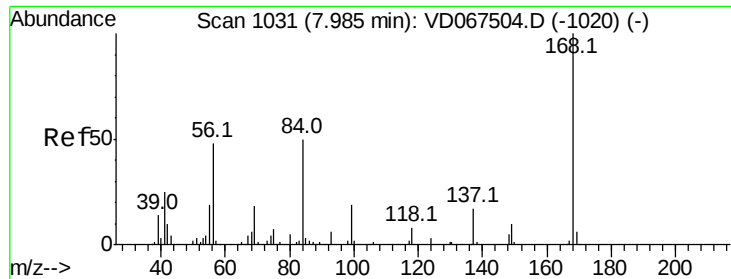
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111120\
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Quant Time: Nov 12 00:11:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

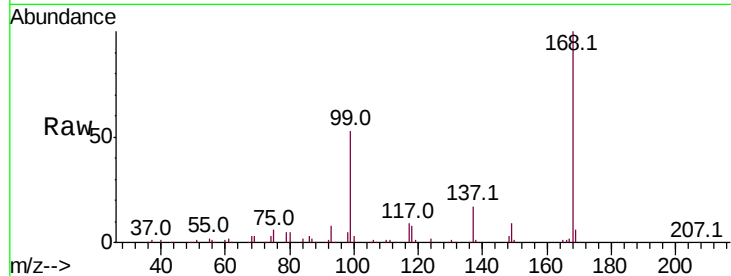
SU-03-111120

Tot Ion:168 Resp: 380696

Ion Ratio Lower Upper

168 100

99 52.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

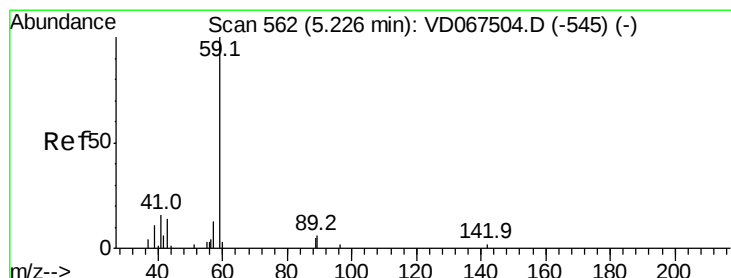
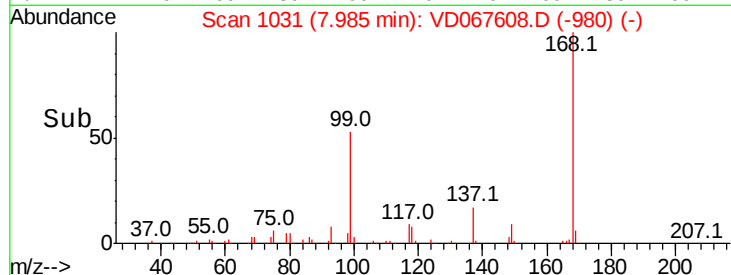
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD067608.D

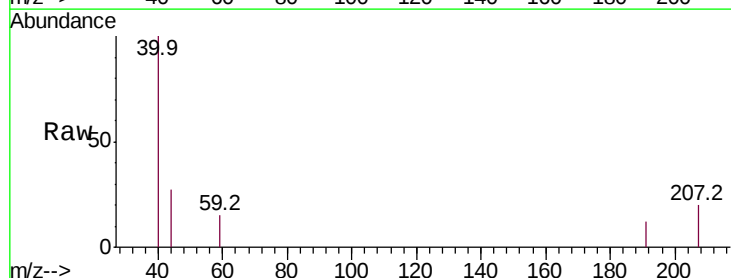
Acq: 11 Nov 2020 17:53

Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

59 100

57 0.0 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.20

200

150

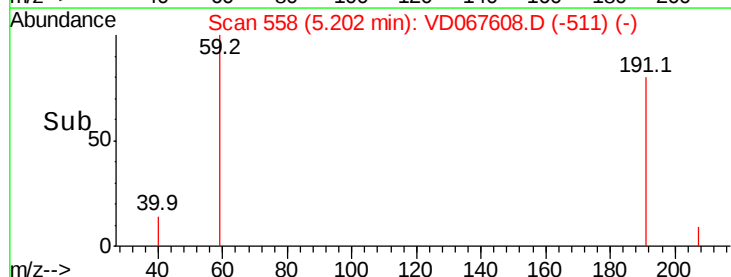
100

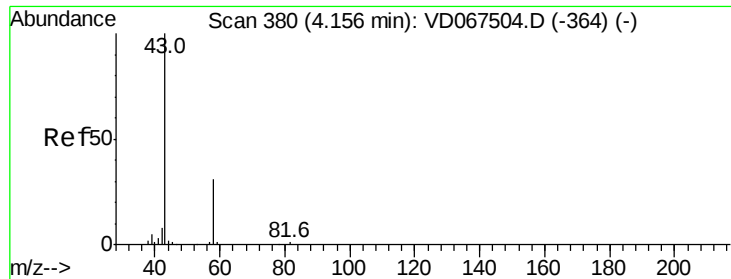
50

0

5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 2.355 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

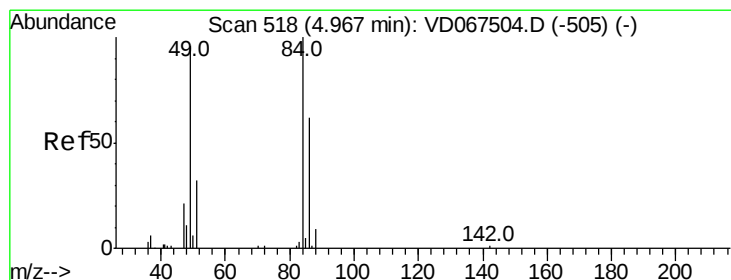
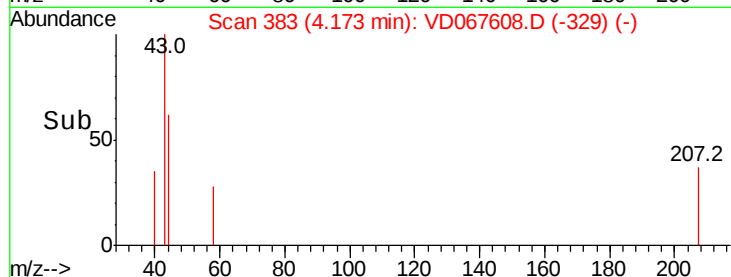
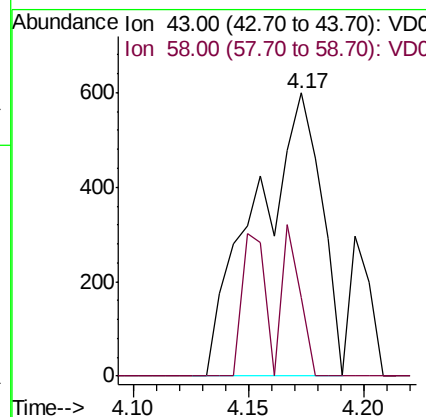
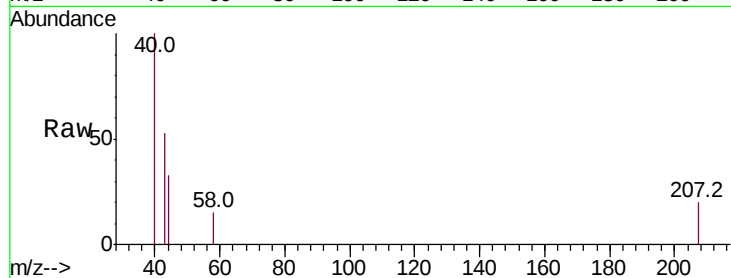
SU-03-111120

Tot Ion: 43 Resp: 1173

Ion Ratio Lower Upper

43 100

58 27.9 25.2 37.8



#20

Methylene Chloride

Concen: 1.550 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

Tgt Ion: 84 Resp: 5454

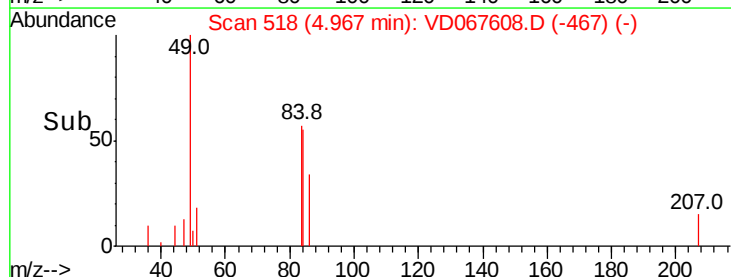
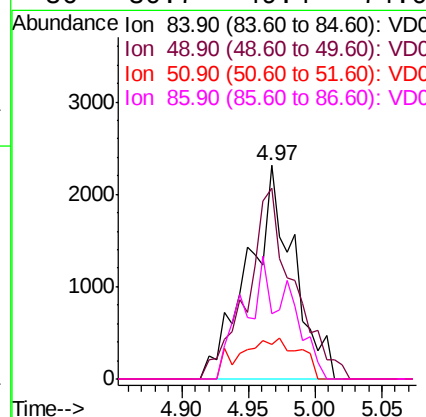
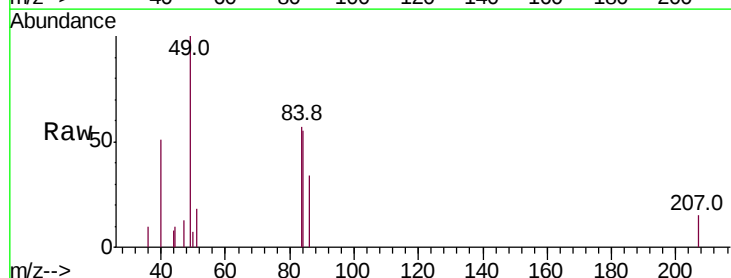
Ion Ratio Lower Upper

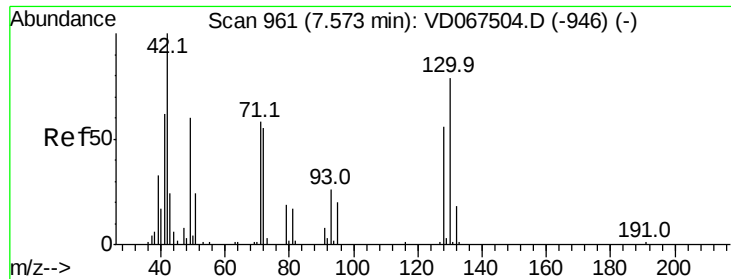
84 100

49 89.1 77.0 115.4

51 16.1 25.4 38.2#

86 30.7 49.4 74.0#

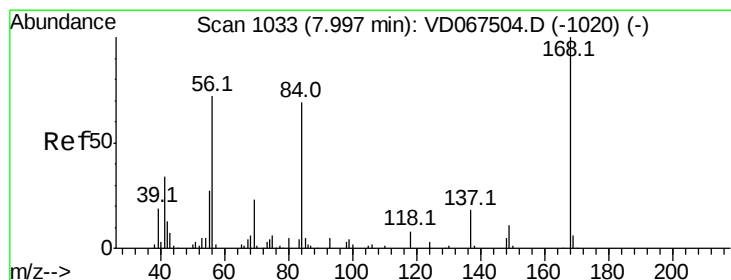
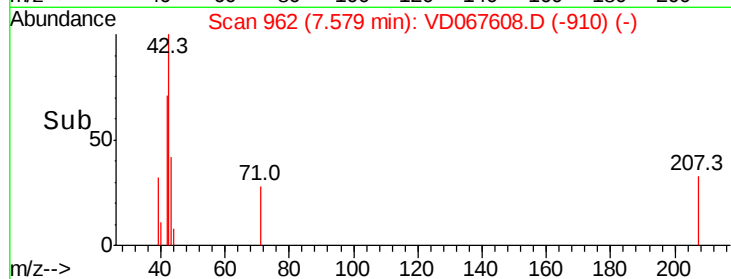
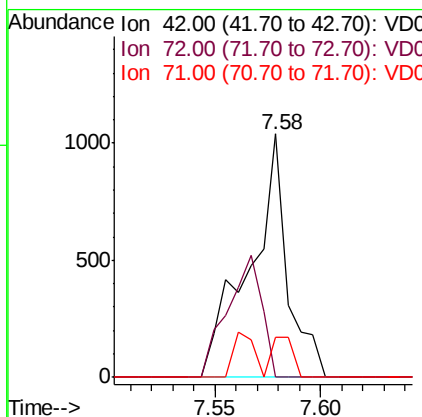
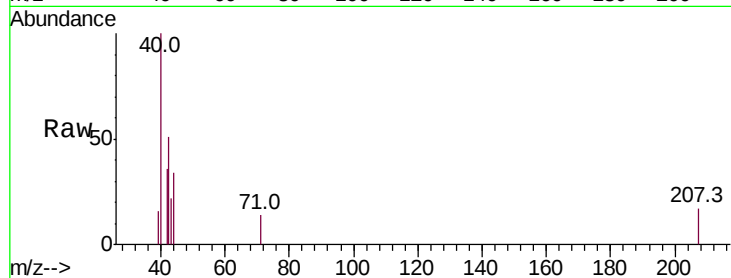




#29
Tetrahydrofuran
Concen: 4.115 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD067608.D
Acq: 11 Nov 2020 17:53

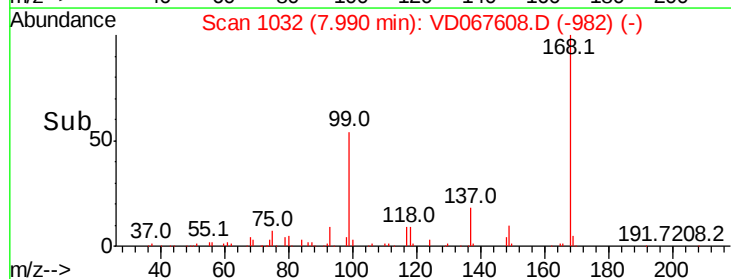
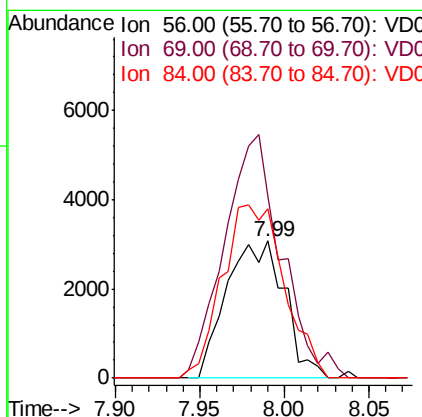
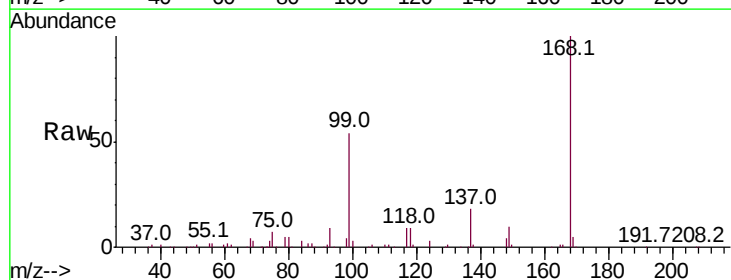
Instrument :
MSVOA_D
ClientSampleId :
SU-03-111120

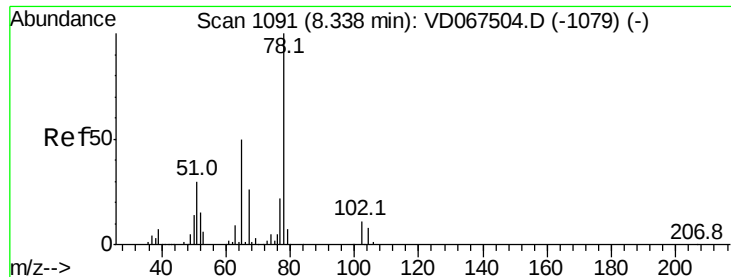
Tot Ion: 42 Resp: 1312
Ion Ratio Lower Upper
42 100
72 0.0 46.3 69.5#
71 9.3 44.0 66.0#



#31
Cyclohexane
Concen: 1.519 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067608.D
Acq: 11 Nov 2020 17:53

Tgt Ion: 56 Resp: 7333
Ion Ratio Lower Upper
56 100
69 126.9 25.9 38.9#
84 123.3 76.2 114.4#





#33

1,2-Dichloroethane-d4

Concen: 54.834 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

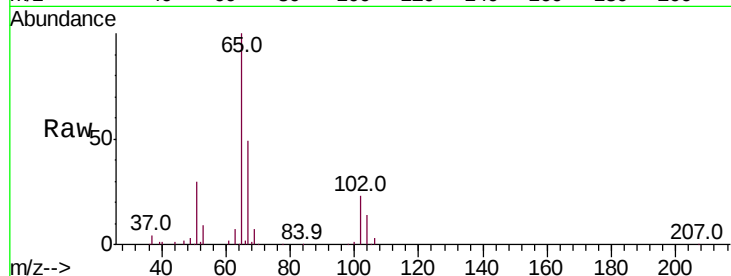
SU-03-111120

Tot Ion: 65 Resp: 182528

Ion Ratio Lower Upper

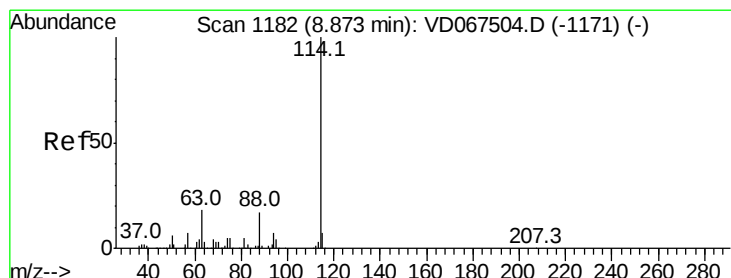
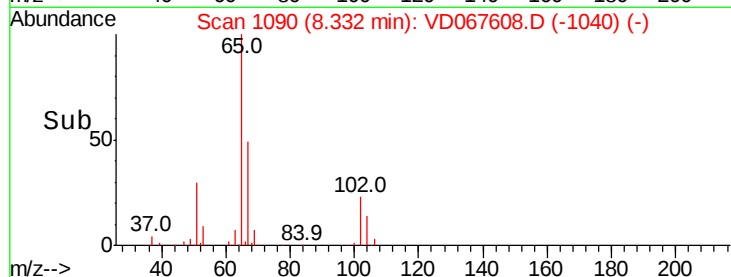
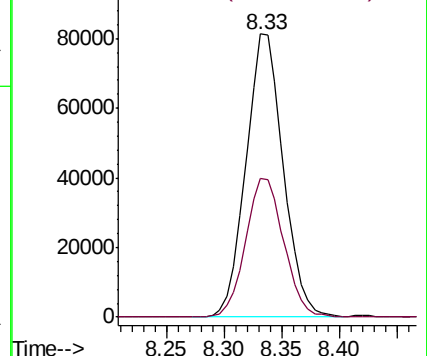
65 100

67 50.3 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

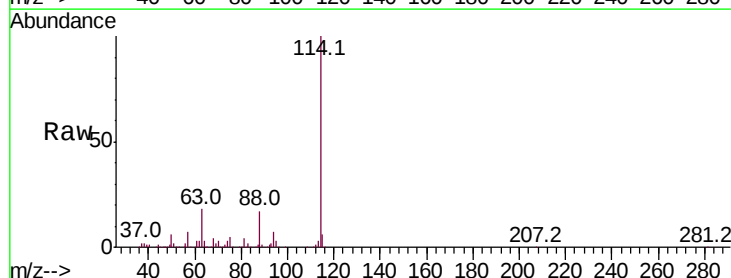
Tgt Ion: 114 Resp: 606143

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

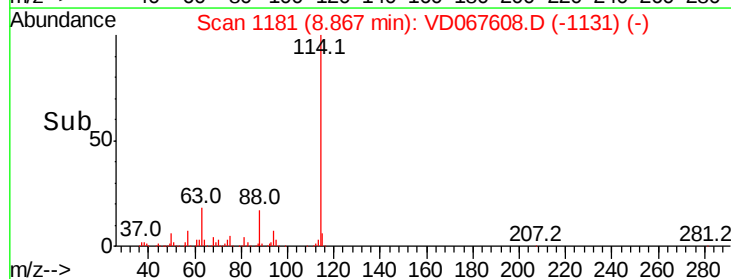
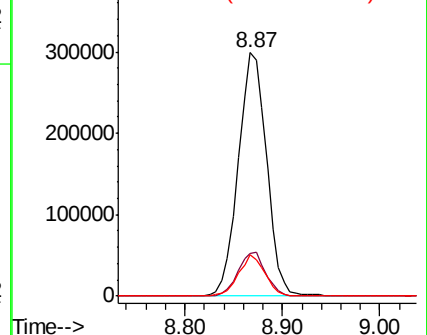
88 17.1 0.0 33.0

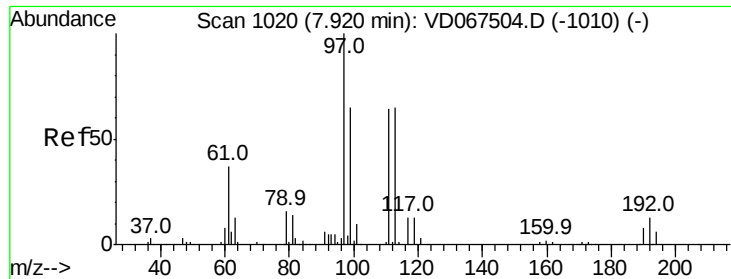


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

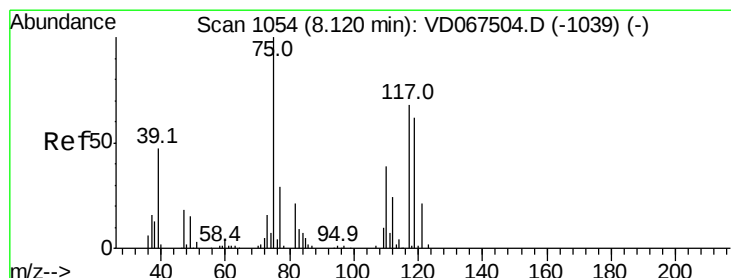
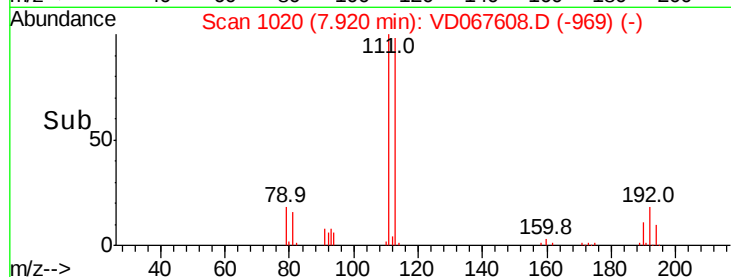
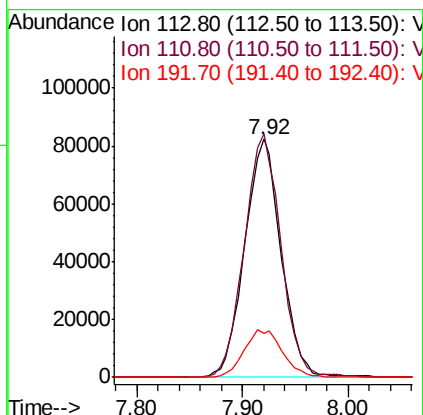
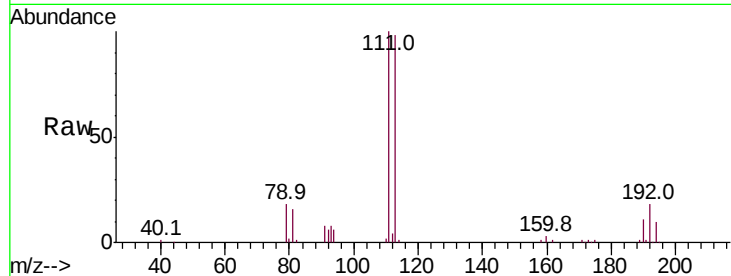




#35
 Dibromofluoromethane
 Concen: 53.993 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067608.D
 Acq: 11 Nov 2020 17:53

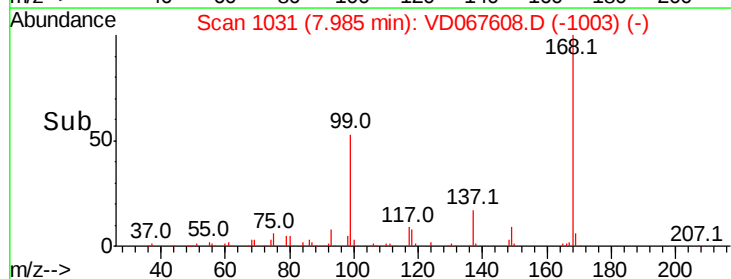
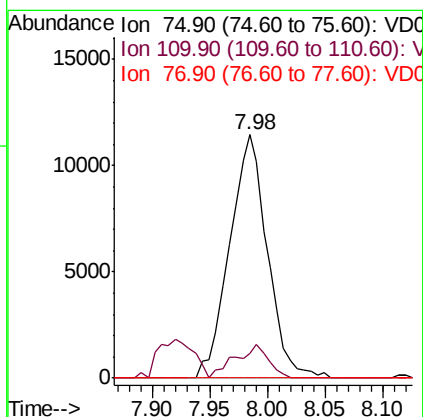
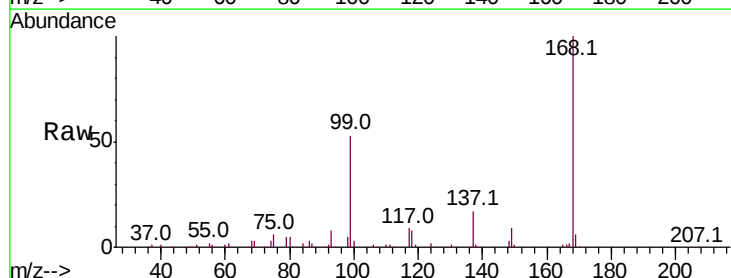
Instrument :
 MSVOA_D
 ClientSampleID :
 SU-03-111120

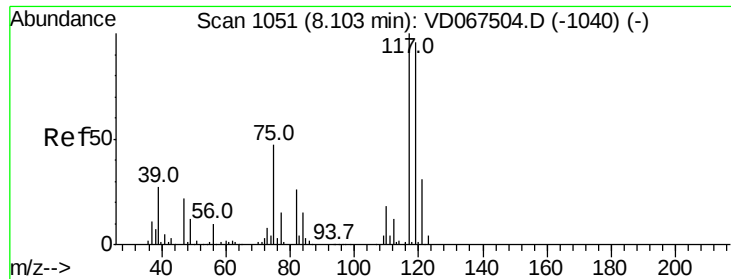
Tot Ion:113 Resp: 197181
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.0 120.0
 192 20.8 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067608.D
 Acq: 11 Nov 2020 17:53

Tgt Ion: 75 Resp: 25940
 Ion Ratio Lower Upper
 75 100
 110 12.2 19.9 59.7#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.616 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

SU-03-111120

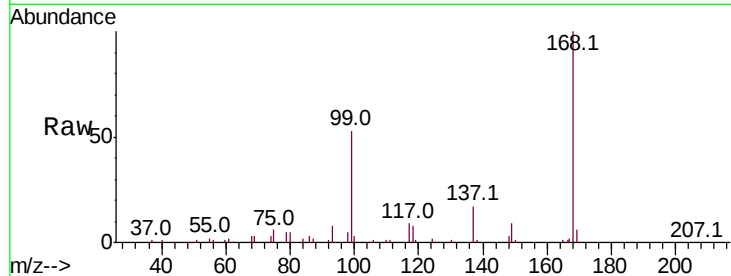
Tot Ion:117 Resp: 37858

Ion Ratio Lower Upper

117 100

119 7.0 76.9 115.3#

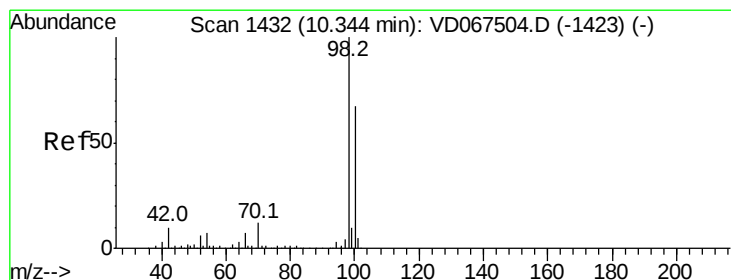
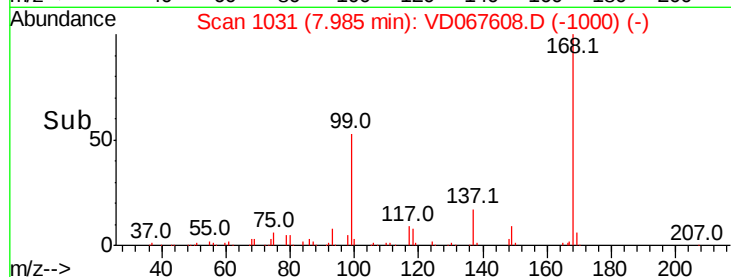
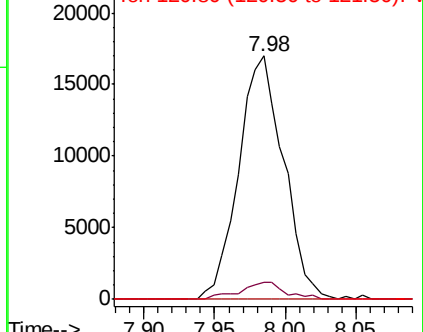
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 56.148 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067608.D

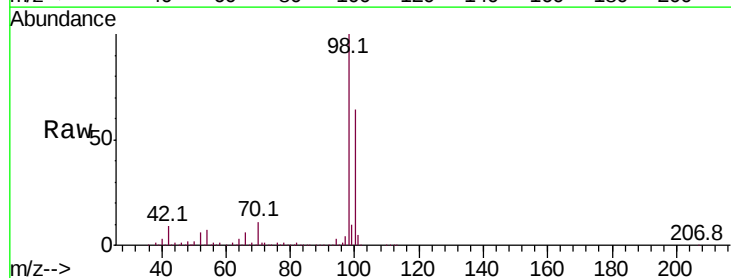
Acq: 11 Nov 2020 17:53

Tgt Ion: 98 Resp: 720598

Ion Ratio Lower Upper

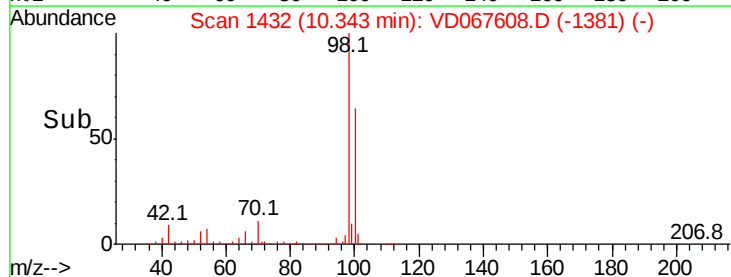
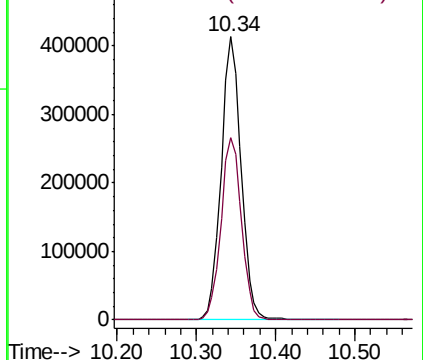
98 100

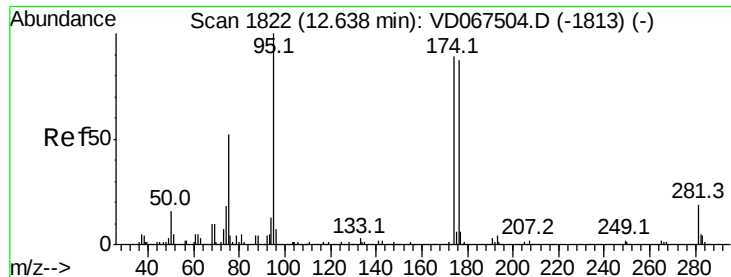
100 65.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 67.864 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

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MSVOA_D

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SU-03-111120

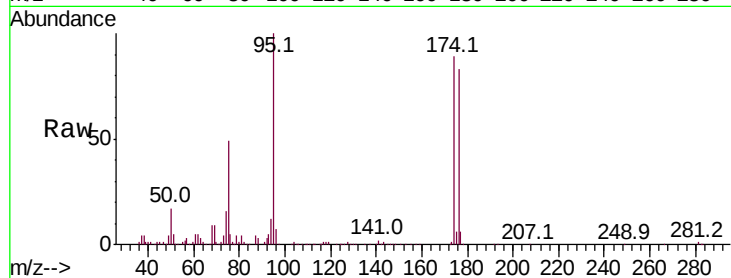
Tot Ion: 95 Resp: 300699

Ion Ratio Lower Upper

95 100

174 87.8 0.0 177.8

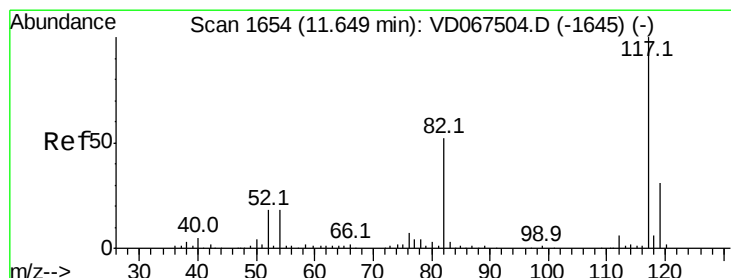
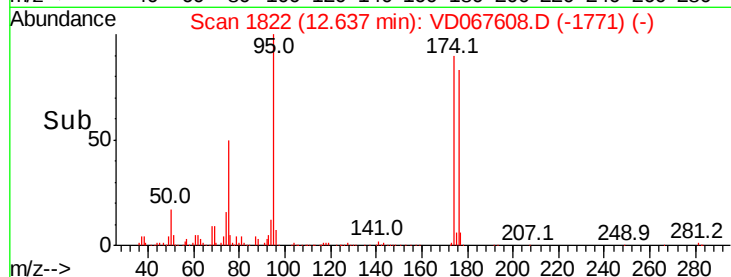
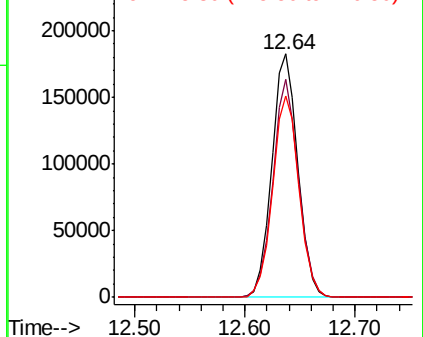
176 83.6 0.0 172.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

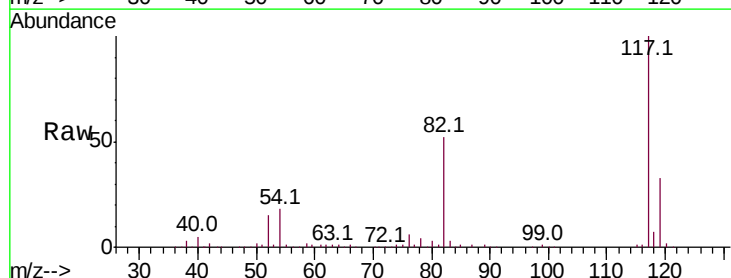
Tgt Ion: 117 Resp: 640730

Ion Ratio Lower Upper

117 100

82 51.5 41.6 62.4

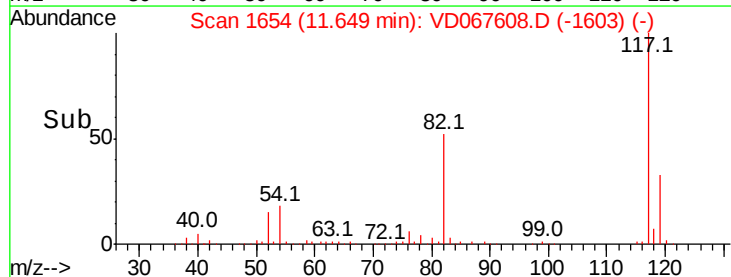
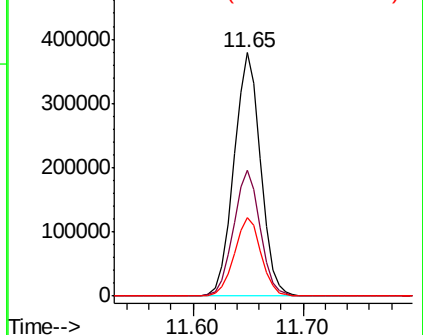
119 32.5 25.1 37.7

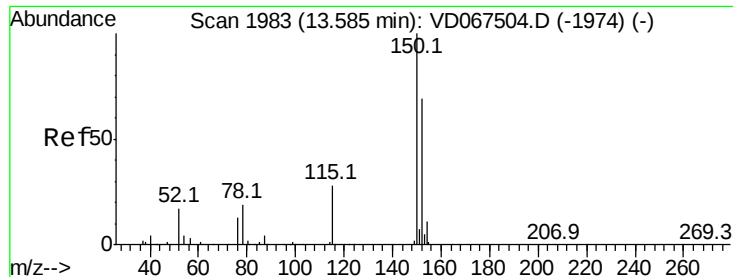


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

SU-03-111120

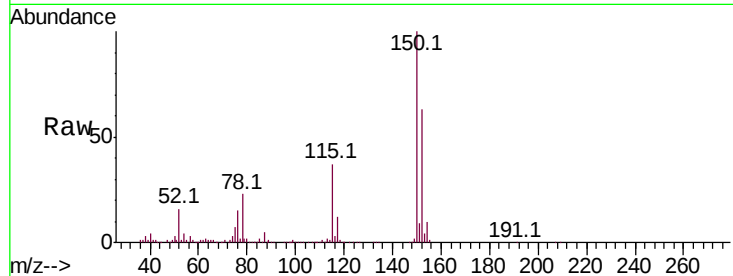
Tot Ion:152 Resp: 336467

Ion Ratio Lower Upper

152 100

115 58.2 29.3 88.0

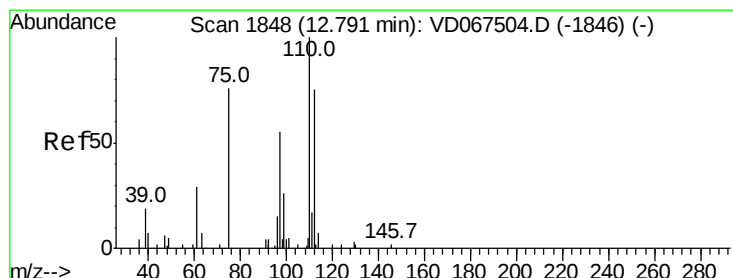
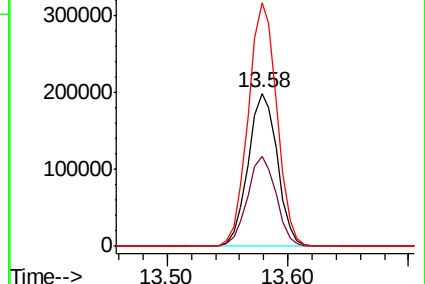
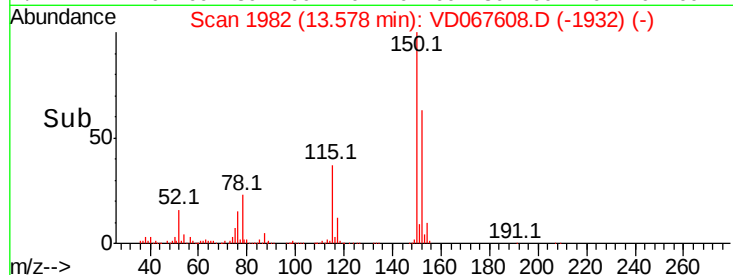
150 156.5 0.0 338.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 73.525 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067608.D

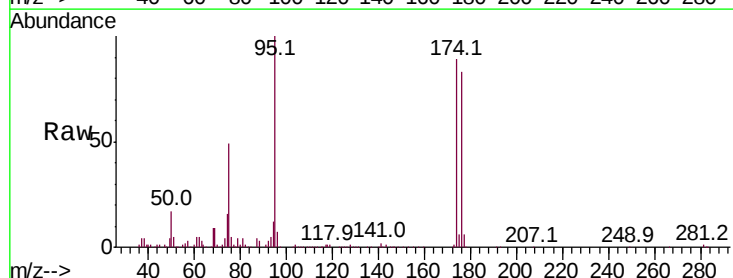
Acq: 11 Nov 2020 17:53

Tgt Ion: 75 Resp: 149238

Ion Ratio Lower Upper

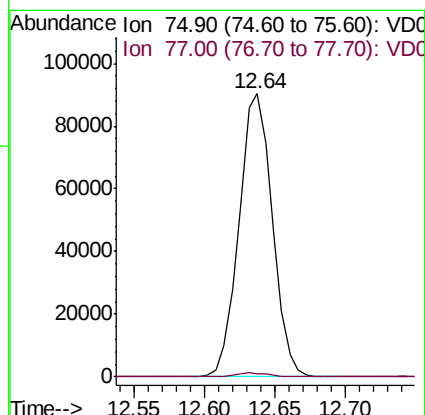
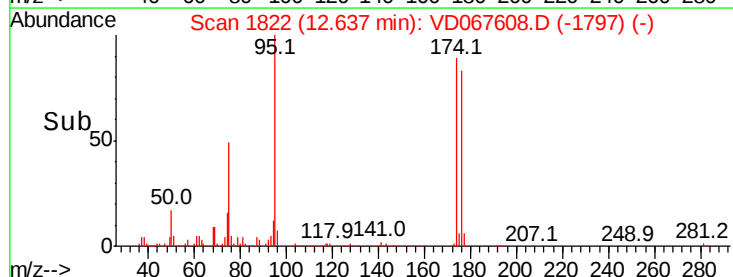
75 100

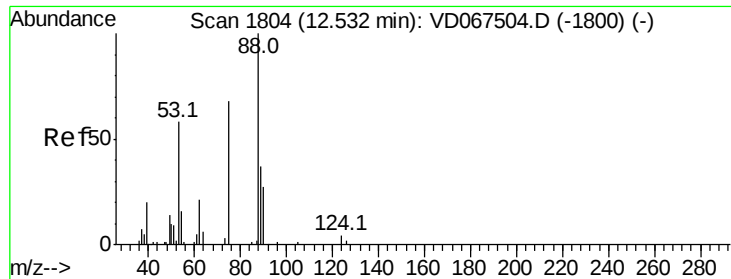
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 149.275 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067608.D

Acq: 11 Nov 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

SU-03-111120

Tot Ion: 75 Resp: 149238

Ion Ratio Lower Upper

75 100

53 0.2 75.9 113.9#

89 0.0 44.6 67.0#

